RECORDING MEDIUM HAVING DATA STRUCTURE FOR MANAGING REPRODUCTION OF INTERLEAVED MULTIPLE REPRODUCTION PATH VIDEO DATA RECORDED THEREON AND RECORDING AND REPRODUCING METHODS AND APPARATUSES

ABSTRACT OF THE DISCLOSURE

The recording medium has a data structure for managing reproduction of at least multiple reproduction path video data recorded on the recording medium. The recording medium includes a data area storing at least a portion of the multiple reproduction path video data. The multiple reproduction path video data is divided into one or more interleaving units, and each interleaving unit is associated with one of the reproduction paths. Each interleaving unit starts and ends with a reproduction path change point, and the interleaving units associated with different reproduction paths are interleaved in the data area.